

SAF-RC-006
100-N Ancillary Facilities & 190-DR
Other Solid Sampling for ERDF Waste
Designation
FINAL DATA PACKAGE

COMPLETE COPY OF DATA PACKAGE TO:

Dave Encke X5-50

KW 8/27/2007
INITIAL/DATE

Amy Hood X5-50

KW 8/27/2007
INITIAL/DATE

Tom Edmundson X5-50

KW 8/27/2007
INITIAL/DATE

COMMENTS:

SDG 07-A-4708

SAF-RC-006

Rad only

X Chem only

Rad & Chem

X Complete

Partial

Waste Site(s): MO-829 Potential Asbestos

RECEIVED
SEP 04 2007
EDMC



8/23/07
Page 1 of 2

SUBMITTED TO:

Joan Kessner
Washington Closure Hanford
2620 Fermi Avenue, MSIN H4-21
Richland, WA 99354



REFERENCE DATA:

Client Sample No.:	J15HM0 through J15HM3
P.O. No.:	Not Available
Sample Location:	MO-829 Potential Asbestos
Sample Type:	Bulk
Method Reference:	EPA-600/R-93/116
DCL Set ID No.:	07-A-4708
DCL Sample ID No.:	07-27145 through 07-27148
Sample Receipt Date:	8/23/07
Analysis Date:	8/23/07

We certify that the following samples were prepared and analyzed by Polarized Light Microscopy for asbestos and other fibrous constituents using EPA-600/R-93/116. The samples were acceptable upon receipt except where noted. The samples were examined under a stereomicroscope in a laboratory fume hood for general composition and phase separation. If needed, portions of the sample were removed and ground with a mortar and pestle before being mounted on a glass microscope slide. Mountings of representative portions of the material are prepared in one or more appropriate refractive index liquids (1.550, 1.605, 1.680) and examined by Polarized Light Microscopy*. Estimates of concentration are made on an area basis. The results of the analysis apply only to the materials analyzed and are summarized on the attached bulk asbestos analysis data sheets. DataChem Laboratories will dispose of all bulk samples after 60 days unless other arrangements are made.

Shawn Smythe
Analyst

Anna Marie Ristich
Reviewer

*Floor tiles, decorative paints, joint compounds, and cement materials require additional treatment in order to evaluate the concentration of small asbestos fibers bound in the material. Some samples may contain fibers that are not visible by PLM and can only be detected by electron microscopy techniques. Floor tiles are analyzed as homogeneous materials if insufficient mastic is present or if phases have been cross contaminated.

DataChem Laboratories NVLAP Lab ID: 101917. Laboratory accreditation by the National Institute of Standards and Technology does not in any way constitute approval or endorsement by NVLAP, NIST, or any agency of the federal government..

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8/23/07

**DataChem Laboratories
Polarized Light Microscopy
Asbestos Analytical Report**


Client: Washington Closure Hanford
Location: MO-829 Potential Asbestos
Set ID: 07-A-4708

Client Sample ID:	J15HM0	J15HM1	J15HM2	J15HM3
DCL Sample ID:	07-27145	07-27146	07-27147	07-27148
Macroscopic Examination				
Accepted/Rejected:	Accepted	Accepted	Accepted	Accepted
Homogeneity:	Layered	Layered	Homog.	Homog.
	Inseparable	Inseparable		
Color:	Tan/Blk/Pink	Grey	Black	Black
Texture:	Fbrs/Resns	Fbrs/Crmby	Resinous	Resinous
Description:	Material	Material	Material	Material
Analysis:	PLM	PLM	PLM	PLM
Asbestiform Minerals				
% Chrysotile:				
% Amosite:				
% Crocidolite:				
% Tremolite - Actinolite:				
% Anthophyllite:				
% Total Asbestos:	ND	ND	ND	ND
Other Materials				
% Cellulose:	>50 ≤ 60		>5 ≤ 10	>5 ≤ 10
% Fiberglass:	>10 ≤ 20			
% Other Fibers:		>60 ≤ 70		
% Resin/Binder:	>5 ≤ 10		>50 ≤ 60	>50 ≤ 60
% Non Fibrous:	>5 ≤ 10	>20 ≤ 30	>20 ≤ 30	>20 ≤ 30

ND = None Detected Trace = <1%

Special Prep Procedures: None.

*Notes: P. O. #: Not Available.


Shawn Smythe
Microscopist

All values are in area percent by visual estimate. The Federal Register Vol. 55 No. 224 Tuesday Nov. 20 1990 Rules and Regulations states "... If the asbestos content is estimated to be less than 10% by a method other than point counting,... (the analysis) be repeated using the point counting technique by PLM." Any of the above samples can be reanalyzed by point counting at the client's request. Wherever possible, separate phases are analyzed and reported individually.

Washington Closure Hanford		CHAIN OF CUSTODY/SAMPLE ANALYSIS REQUEST				RC-006-150		Page 1 of 1	
Collector Amy Hood/Tom Edmundson		Company Contact J. Crocker		Telephone No. 376-4058		Project Coordinator KESSNER, JH		Price Code 9K Data Turnaround	
Project Designation 100-N Ancillary Facilities & 190-DR Other Solid Sampling f		Sampling Location MO-829 Potential Asbestos		SAF No. RC-006		TRE 8-22-07		7 Days 1 Day	
Ice Chest No. FED EX BOX		Field Logbook No. EL-1516-11		COA RD4MXX2F00		Method of Shipment Fed Ex			
Shipped To DataChem Laboratories - Cincinnati		Offsite Property No. A070305		Bill of Lading/Air Bill No. SEE OSPC					
POSSIBLE SAMPLE HAZARDS/REMARKS Potential ACM Special Handling and/or Storage N/A		Preservation		None					
		Type of Container		G/P					
		No. of Container(s)		1					
		Volume		5g					
SAMPLE ANALYSIS 07-A-4708		Asbestos-BULK-EPA							
Sample No.	Matrix *	Sample Date	Sample Time						
J15HM0 27145	OTHER SOLID	8-22-07	0940	✓					
J15HM1 27146	OTHER SOLID	8-22-07	0950	✓					
J15HM2 27147	OTHER SOLID	8-22-07	1104	✓					
J15HM3 27148	OTHER SOLID	8-22-07	1107	✓					
J15HM4	OTHER SOLID								
CHAIN OF POSSESSION		Sign/Print Names		SPECIAL INSTRUCTIONS					
Relinquished By/Removed From <i>JR Edmundson</i>		Date/Time 8-22-07 1300		Received By/Stored In <i>KMSingleton</i>		Date/Time 8-22-07 1300		Potential ACM <div style="font-size: 2em; text-align: center;">Rush</div>	
Relinquished By/Removed From <i>KMSingleton</i>		Date/Time 8-22-07 1500		Received By/Stored In FED EX		Date/Time			
Relinquished By/Removed From <i>Edmundson</i>		Date/Time		Received By/Stored In <i>Edmundson</i>		Date/Time 8/23/07/0913			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
Relinquished By/Removed From		Date/Time		Received By/Stored In		Date/Time			
LABORATORY SECTION		Received By <i>[Signature]</i>		Title					
FINAL SAMPLE DISPOSITION		Disposal Method		Disposed By 8/23/07/0913					
				Date/Time					